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MOSTEC

Conductivity Meter with two alarm contacts type M9236



Technical description

The M9236 conductivity meter is suitable for water, waste water or pure water conditioning in continuous or batch-type operating modes, for liquid chromatography or for general chemical process monitoring.

The accuracy is better than 2,5% at 2.25%/°C between 15°C and 50°C. The temperature is compensated manually by a potentiometer. The slope can be adjusted between 1.5%/°C and 3.0%/°C.

Commercially available conductivity cells - K-factor 0.01, 0.1 and 1.0 - cover a dynamic

range from 0.01µS to 20mS. An internal synchron rectifier eliminates the capacitive error currents of the cell cable.

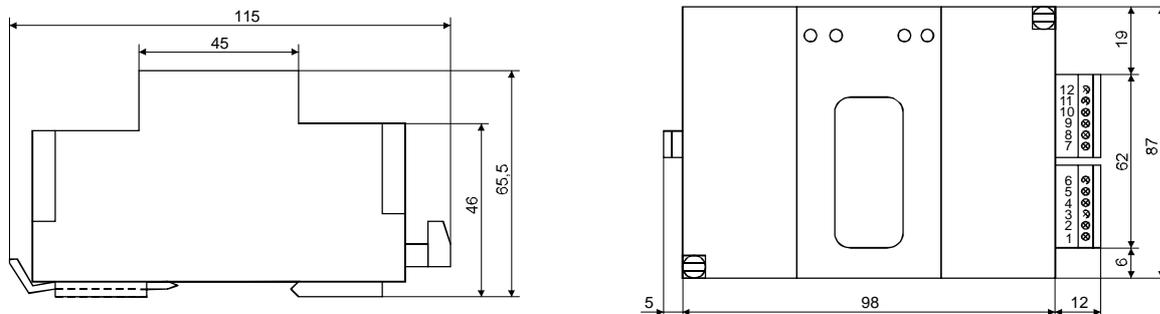
The measuring signal is transferred to the output as a signal current of either 0...20mA or 4...20mA.

Two floating alarm contacts can be set over the entire range. Each is defined as a normally open or as a normally closed contact. Supply lines and all other lines, either from or to the conductivity meter, are protected by internal noise limiters against HF-noise.

Technical Data:

Measuring ranges:	0...20.,00 μ S 0...200,0 μ S 0...2,000mS 0...20,00mS
Display:	12,7mm liquid crystal display 3½-digit
Accuracy:	1% at 25°C, 2.5% all other temperatures
Reproducibility:	<0.2%
Measuring frequency:	Range 20.00 μ S: 100Hz Other ranges: 1000Hz
Measuring amplitude:	70mVAC RMS
Step response:	Time between a conductivity change from 0% to 100% or reverse measured between 10% and 90% = 4 seconds.
Input protection:	virtual zero, protected by diodes
Temperature compensation:	Manual from 0...50°C by potentiometer
Reference temperature:	25°C
Maximum length of sensor cable:	Cable capacity is compensated automatically (max. capacity 0.02 μ F)
Alarm contacts:	Two floating change-over contacts to be adjusted over the full range. Each is defined as a normally open or normally closed contact by an internal slide switch.
Alarm adjustment:	Each alarm is set by two multiturn potentiometers on the front panel. The alarm value is displayed by sliding the corresponding switches and is set with the two potentiometers. The alarm status is indicated by two green lamps
Status:	
Hysteresis:	10 parts fixed
Contact rating:	Change over 6A/230VAC with resistive load
Contact live:	100'000 operations at max. load, 1'000'000 operation mechanically, without load
Output current signal:	0/4 ... 20mA for the selected range.
Output impedance:	>1M Ω at 20mA
Maximum load:	600 Ω
Supply voltage:	230V/50-60Hz, ca. 8VA
CE-Conformity:	fulfilled
Case:	DIN-standard cutout 87.5mm, snap-on to DIN 46277 rails
Weight:	440g
Warranty:	2 years
Terminal description:	1 = Conductivity cell + 2 = Conductivity cell hot - 3 = Output current signal + 4 = Output current signal - 5 = Alarm contact 1 norm. open 6 = Alarm contact 1 norm. closed 7 = Alarm contact 1 change over 8 = Alarm contact 2 norm. open 9 = Alarm contact 2 norm. closed 10 = Alarm contact 2 change over 11 = Protective earth, PE 12 = Supply voltage L1 13 = Supply voltage N
Options:	- different cell constants - other supply voltage - conductivity cell type M8836s and M8836si

Dimensions:



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